*IPC Equips Supply*

*25 Feb 70*

OCS Hardware/Software Planning
with regard to File Handling Applications
and Interactive Services


1. The following functional tasking will be assigned to
OCS computer systems as soon as practicable:

a. <u>360/65-1 and 360/65-2.</u> Continue with present
tasking: standard batch service, including most non-
interactive teleprocessing (ANDI, RJE, 9300's). No
major changes in hardware/software configuration are
planned for these systems within the next nine months.
The 2250 display will also be attached to one of these
systems. (Note: the plans for a remote 2250/1130 have
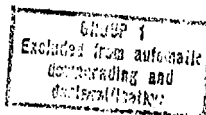been deferred. The 2250 will be placed in the Computer
Center.)

*Technical problems hardware, software modifications (specials)... modified, it works neither it works... to...*

b. <u>360/67.</u> Provide support to all interactive
service requirements with the exception of major
terminal-oriented file handling applications and services.
The principal thrust of the 360/67 support will be toward
single-user applications (e.g., computational support,
program development, and small personal files). CP/CMS
software will continue in use. Performance and reliability
problems will be given priority attention. Near-term
budgetted hardware upgrading includes an additional
drum in April 1970 and 250K additional core in June 1970
(for a total of 750K).

c. <u>360/65-3.</u> Principal tasking will be multiple-terminal
file handling applications and services. Major applications
here are SANCA, SPECLE, OBERON, QUIKTRAK, and
FMSACAID. TORQUE II will be available on this system.
Terminals and associated control units for these applications
will be attached to the 360/65-3 (some may be switchable
to the 360/67). Initially TSMON will be used, but an intensive
search will be undertaken to find an operating system appro-
priate to interactive file handling applications (hopefully an
OS/360 derivative). 250K core will be added to this system
in June 1970, for a total of 750K.

*may take more core to support Quiktrak?*

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2. Implications:

a. This plan represents a fundamental change in OCS use of IBM systems: tasking of systems by functional capability. As a corollary, the CDC systems now being evaluated will be judged not on replacement possibilities, but on their ability to provide additional functional capabilities to the OCS Center.

b. COINS. No significant change to the various methods now being studied for providing full-time service. However, if limited 3-hour service continues, COINS would be put on 360/65-3, affecting only the scheduling of file applications on that system and freeing the 360/67 for full-time internal CIA use.

c. 360/65-3 is now being used during prime shift in a "block time" mode, principally by OCS Technical Staff and FMSAC/TAD. Other arrangements for this service will be made.

d. Security restrictions prohibit processing B material on computer systems with terminals attached. All B processing would be performed on 65-1 or 65-2. Except for this restriction, normal batch work could be performed on the 65-3 concurrently with the file applications (assuming the chosen operating system is compatible), but file handling will be given priority.

e. OCS efforts in file handling cross divisional/ staff lines. A project will be established to develop the integrated capability desired here.

f. Terminal Switching. Two situations arise: (a) A given terminal supports a group of users, some who will use the file facilities on the 65-3, others who will want to use the 67 services. (b) A given user wants to use services available on both systems to massage data in his file (e.g., retrieve/maintain on the 65-3, do data reduction on the 67). The latter case will be very difficult to handle, at least for a year or so. The former requirement can be handled in the near term with manual terminal switching, perhaps a few times a day.

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**Remarks:**

For the IP Board Meeting on
25 February 1970.

file

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